Attorney Docket No.: Q76624

AMENDMENT UNDER 37 C.F.R. § 1.111

U.S. Application No.: 10/622,551

Please amend the Abstract of the Disclosure as follows:

A method is described for implementing a multidimensional linear block code on a frame of information symbols to be transmitted through a transmission system, the information symbols being organized in a frame with a number of columns and a number of rows. The method includes the steps of adding to the frame of information symbols a number of columns of redundancy symbols of a length equal to the number of rows of the frame of symbols to be transmitted; and of identifying the horizontal sequences, or rows, of information symbols and redundancy symbols as first code words. It is characterized in that said The redundancy symbols are constructed in such a way that, by interleaving the frame of information symbols and redundancy symbols aby earrying outusing a permutation of the elements of within the columns, the horizontal sequences, or rows, rows of information symbols and redundancy symbols of produced from the permuted columns are identified as form second code words. Conveniently, such operation may be repeated to obtain multidimensional codes.